

File



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

MICHAEL F. EASLEY
GOVERNOR

1534 MAIL SERVICE CENTER, RALEIGH, N.C. 27699-1534

W. LYNDO TIPPETT
SECRETARY

December 21, 2001

MEMORANDUM

TO: Mr. Calvin W. Leggett, P.E.
Manager, Program Development Branch

FROM: Mr. Derrick W. Lewis, P.E.
Feasibility Studies Engineer *Derrick W Lewis*

SUBJECT: FS-0108D, Improvements to SR routes between Laurel Hill and Wagram,
Scotland County

As requested, we have evaluated the approximated cost of upgrading the routes (SR 1319, SR 1320, SR 1405) between US 74 at Laurel Hill and US 401 at Wagram.

The approximate cost of improving SR 1319 and 1320 between US 74 and US 15-501 is \$11,400,000 (\$7,400,000 construction and \$4,000,000 right of way). This cost includes the relocation of SR 1337 to address an offset intersection. It should be noted that the Division estimate to improve this section is approximately \$3,015,000.

The approximate cost of improving SR 1405 between US 15-501 and US 401 is \$6,750,000 (\$6,100,000 construction and \$650,000 right of way). This cost includes the relocation of SR 1429 from the five-leg intersection at US 15-501, SR 1320, and SR 1405. It should be noted that the Division estimate for this section is \$3,305,000.

As indicated above, there is a great difference between the Division's estimate and our estimate prepared by Doug Lane and the Right of Way Branch. Therefore, it is my opinion that the Feasibility Study Units estimate more accurately reflects the true project cost if the Roadway Design Branch designs it.

It should be noted that these cost estimates are preliminary and not the product of exhaustive study or analysis. If additional information is needed, please call me at 733-2039.

DWL/dl



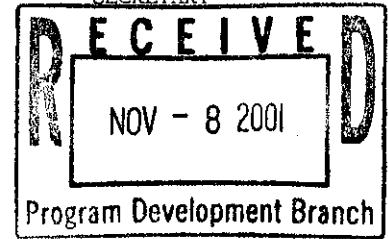
Derrick

OCT 16 2001

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

MICHAEL F. EASLEY
GOVERNOR

LYNDO TIPPETT
SECRETARY



SCOTLAND COUNTY

MEMORANDUM TO: Mr. W. F. Rosser, P.E., Division Engineer
FROM: *W. T. Campbell*
W. T. Campbell, P.E., District Engineer
DATE: October 15, 2001
SUBJECT: Road from Wagram to Laurel Hill

I've reviewed the maps and information you provided, inspected the road and had David Bailey to estimate right of way costs.

I recommend a pavement width of 30 feet which will allow for travel lanes of 11 feet with four foot paved shoulders or 12 feet with three foot paved shoulders. A thirty foot pavement can not be contained within the existing right of way. Therefore, I had David Bailey to make an estimate for securing an 80 foot wide right of way in the rural areas (existing is 60 feet).

For estimating purposes, the project was divided into six segments. The attached sheet shows recommendations for each segment and the cost for each. The total estimated cost for the 12 mile road from US 74 to US 401 is \$6,320,000. Please keep in mind this is a ballpark type estimate.

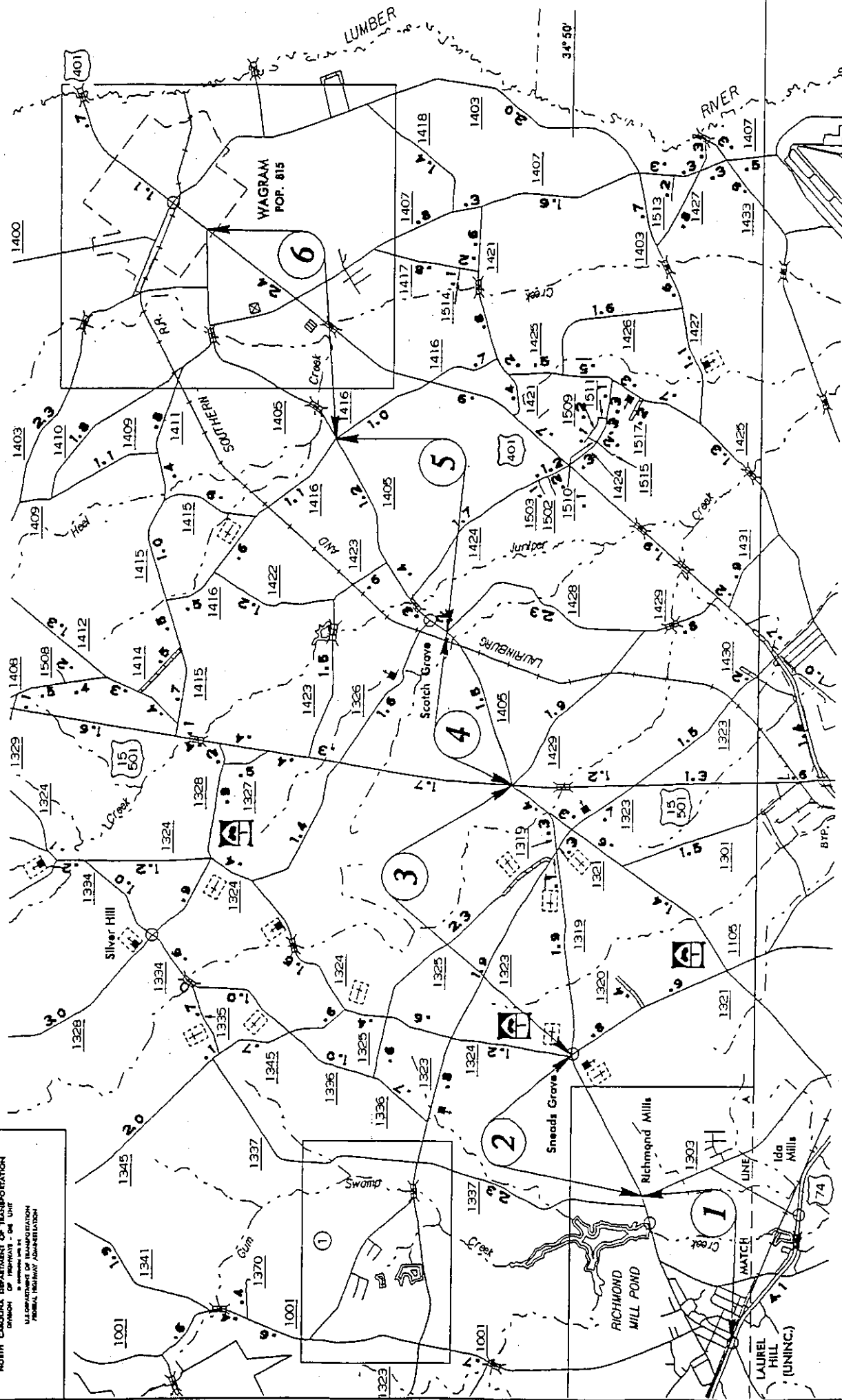
Attachment



SCOTLAND COUNTY

NORTH CAROLINA

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS - ONE UNIT
UNIFORMED TO THE
NATIONAL HIGHWAY ADMINISTRATION



**SCOTLAND COUNTY
ROAD FROM LAUREL HILL TO WAGRAM**

SEGMENT NO.	STATE ROAD NO.	TERMINI	LENGTH (MI)	WIDTH (FT)	BRIDGE NO.	REMARKS	COST
1	1001, 1350, & 1319	FROM US 74 TO SR 1303	1.67	24	3 & 2	A. Extend C & G approx. 0.6 mile to SR 1376 B. Install C & G at Richmond Mill from bridge to existing SR 1337 0.2 mile C. Widen to 30'	Curb & Gutter \$600,000 Widening (includes R/W and Utilities)..... \$646,000 SR 1337 Relocation (includes R/W) \$200,000 subtotal \$1,446,000
2	1319	FROM SR 1303 TO SR 1324	1.47	24		Widen to 30'	Widening (includes R/W and Utilities)..... \$569,000
3	1319	FROM SR 1324 TO US 15-501	2.60	24		Widen to 30'	Widening (includes R/W and Utilities)..... \$1,000,000
4	1405	FROM US 15-501 TO SR 1428	1.50	20		A. Relocate SR 1429 B. Widen to 30'	Widening (includes R/W and Utilities)..... \$627,000 SR 1429 Relocation (includes R/W)..... \$100,000 subtotal \$727,000
5	1405	FROM SR 1428 TO SR 1416	2.10	20	12	A. Replace bridge no. 12 B. Widen to 30'	Bridge Replacement..... \$325,000 Widening (includes R/W and Utilities)..... \$678,000 subtotal \$1,003,000
6	1405	FROM SR 1416 TO US 401	2.63	20	14	A. Replace bridge no. 14 B. Realign 6 curve to 5' curve C. Widen to 30'	Bridge Replacement..... \$125,000 Realignment of curve..... \$50,000 Widening (includes R/W and Utilities)..... \$1,000,000 subtotal \$1,175,000
Totals			11.97				\$6,320,000